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Ohio Agricultural Experiment Station,
OHIO DIVISION OF FORESTRY
In Cooperation With
U. S. Department of Agriculture - Forest Service,
CENTRAL STATES FOREST EXPERIMENT STATION

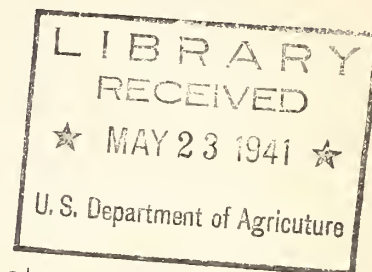
Technical Note 22

December 1, 1940

LOCAL VOLUME TABLE 1/

for
YELLOW POPLAR
(Liriodendron tulipifera)
in Hamilton County, Ohio

INTERNATIONAL Rule ($\frac{1}{2}$ " Kerf)



Merchantable Stem to a Variable Top Diameter

Diameter breast high outside bark (Inches)	Volume per tree	Average merchant- able length	Basis in trees	Diameter breast high outside bark (Inches)	Volume per tree	Average merchant- able length	Basis in trees
	<u>Board feet</u>	<u>Feet</u>	<u>Number</u>		<u>Board feet</u>	<u>Feet</u>	<u>Number</u>
10	20	16	1	25	678	43	3
11	43	23	-	26	743	43	2
12	72	28	2	27	825	43	2
13	105	32	3	28	915	43	2
14	142	34.5	2	29	1012	43.5	-
15	180	36.5	6	30	1125	43.5	2
16	230	38	3	31	1245	43.5	1
17	263	39.5	5	32	1380	43.5	2
18	308	40.5	4	33	1523	43.5	-
19	353	41	9	34	1655	44	1
20	400	41.5	6	35	1800	44	-
21	447	42	8	36	1943	44	1
22	498	42.5	8				
23	550	42.5	2				
24	612	42.5	6				

(1) Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "The Ohio Woodland Survey." Measurements taken at 12.3-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Basis, 81 trees.

Table prepared, in 1940, by curving volume of merchantable length over d.b.h.

Aggregate difference: Table is 0.408% low. Average percentage deviation of basic data from table, 15.9%.

O. D. Diller
L. F. Kellogg

